

King County DNRP Water Quality Index

STATION **A315** WATER YEAR **2018**

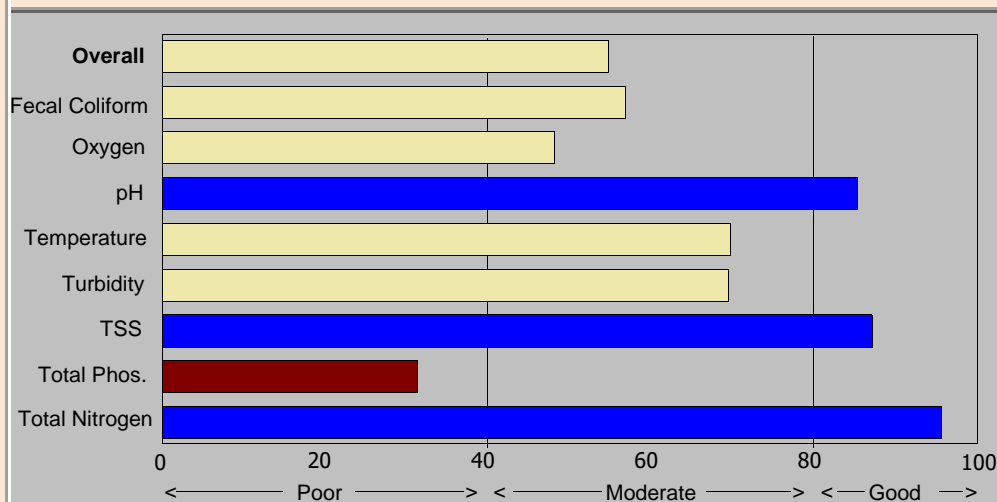
GAUGE # **41a** **Mill Creek at SR 181**

Overall Index **55**

King County monitors water quality in Mill Creek at station A315, which is located at the bridge at 68th Ave and South 261st Street. Monitoring at this site began in 1979 and continued until 2008 when budget cutbacks forced King County to reduce its water quality monitoring program. Regular monitoring resumed in February 2013. The Mill Creek basin encompasses 14,000 acres, which includes portions of Kent, Auburn, Algona, and Federal Way. Mill Creek originates from Lake Dolloff and Lake Geneva and flows 8.35 miles before entering the Green River. The creek is on the Washington State Department of Ecology's 303(d) list, Category 5, for violations of fecal coliform bacteria and pH standards. Mill Creek is also listed for bioassessment scores that indicate that biological integrity is degraded and zinc concentrations that exceed the aquatic life criteria.

Annual Water Quality Index Scores

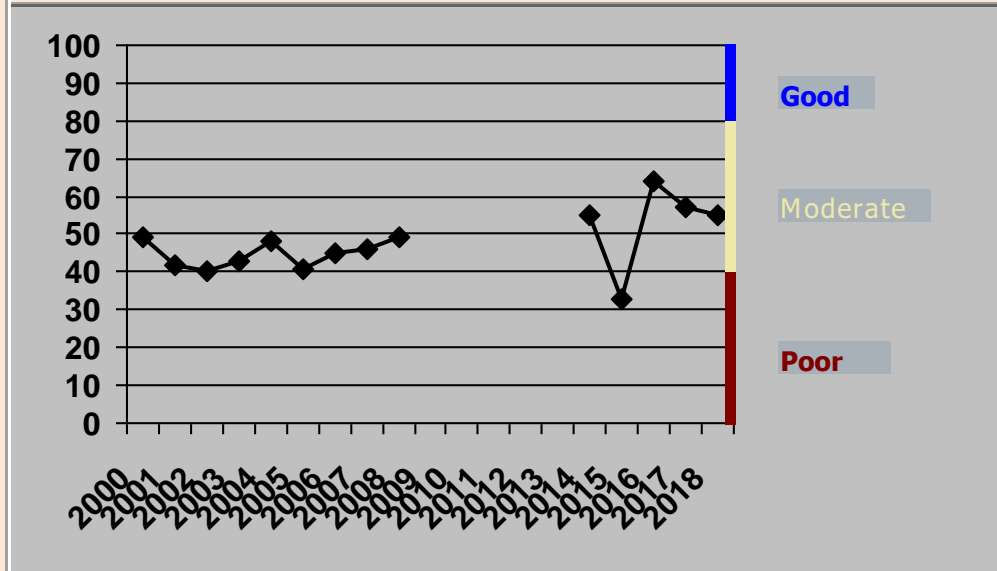
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
80	68	84	93	85	78	84	66	76	44	56	69

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>